



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Gregory Alan SWORDS

SERIAL NO.: 10/517,843

Group Art Unit: 3738

FILED: July 12, 2005

Examiner: Suba Ganesan

FOR: CRANIOFACIAL IMPLANT

Attorney Docket No. 37370/339252

Date: September 4, 2007

Mail Stop Amendment
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Alexandria, Virginia 22313-1450

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In accordance with Rules 56, 97 and 98 of the Rules of Practice in Patent Cases (37 C.F.R. §§ 1.56, 1.97, and 1.98), the publications listed on the enclosed Form PTO/SB/08 are cited for consideration by the Examiner. The above-identified patent application is the parent application to continuation-in-part U.S. Patent Application Serial No. 11/445,560 filed on June 2, 2006. The non-U.S. patent documents and other publications on the enclosed Form PTO/SB/08 and marked with an asterisk have been cited and made of record in continuation-in-part U.S. Patent Application Serial No. 11/445,560. Pursuant to 37 CFR 1.98(d), copies of these documents are not being provided at this time.

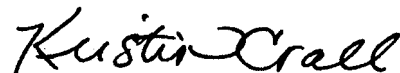
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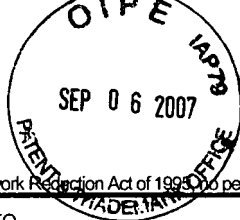
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Respectfully submitted,



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STATEMENT BY APPLICANT**

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Sheet 1 of 4

Complete if Known

Application Number	10/517,843
Filing Date	July 12, 2005
First Named Inventor	Gregory Alan SWORDS
Art Unit	3738
Examiner Name	Suba GANESAN
Attorney Docket Number	37370/339252

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-4,089,071	05-16-1978	Kalnberz, et al.	
		US-4,693,721	09-15-1987	Ducheyne	
		US-4,863,474	09-05-1989	Brown, et al.	
		US-4,976,738	12-11-1990	Frey, et al.	
		US-4,978,355	12-18-1990	Frey, et al.	
		US-2003/0208205 A1	11-06-2003	Gambale	
		US-5,030,233	07-09-1991	Ducheyne	
		US-5,139,497	08-18-1992	Tilghman, et al.	
		US-5,346,492	09-13-1994	Morgan	
		US-5,383,931	01-24-1995	Hehli, et al.	
		US-5,468,242	11-21-1995	Reisberg	
		US-5,489,305	02-06-1996	Morgan	
		US-5,496,372	03-05-1996	Hamamoto, et al.	
		US-5,690,631	11-25-1997	Duncan, et al.	
		US-5,743,913	04-28-1998	Wellisz	
		US-5,769,637	06-23-1998	Morgan	
		US-5,989,427	11-23-1999	Ellard, et al.	
		US-5,824,088	10-20-1998	Kirsch	
		US-5,989,472	11-23-1999	Ashby, et al.	
		US-6,031,148	02-29-2000	Hayes, et al.	
		US-6,071,291	06-06-2000	Forst, et al.	
		US-6,093,188	07-25-2000	Murray	
		US-6,129,728	10-10-2000	Schumacher, et al.	
		US-6,143,036	11-07-2000	Comfort	
		US-6,221,075 B1	04-24-2001	Tormala, et al.	
		US-6,238,214 B1	05-29-2001	Robinson	
		US-6,315,798 B1	11-13-2001	Ashby, et al.	
		US-6,325,803 B1	12-04-2001	Schumacher, et al.	
		US-6,394,807 B2	05-28-2002	Robinson	
		US-2002/0120348 A1	08-29-2002	Melican, et al.	
		US-2002/0123750 A1	09-05-2002	Eisermann, et al.	
		US-6,620,332 B2	09-16-2003	Amrich	

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		Number - Kind Code ² (if known)			
		US-6,645,250 B2	11-11-2003	Schulter	
		US-6,652,585 B2	11-25-2003	Lange	
		US-6,692,497 B1	02-17-2004	Tormala et al.	
		US-6,692,498 B1	02-17-2004	Niiranen, et al.	
		US-6,827,743 B2	12-07-2004	Eisermann, et al.	
		US-2004/0267349 A1	12-30-2004	Richeter	
		US-6,852,128 B2	02-08-2005	Lange	
		US-2005/0043733 A1	02-24-2005	Eisermann, et al.	
		US-2005/146070 A1	07-05-2005	Muratoglu, et al.	
		US-2006/0116682 A1	06-01-2006	Longo	
		US-2006/0217813 A1	09-28-2006	Posnick, et al.	
		US-2006/0224242 A1	10-05-2006	Swords	

FOREIGN PATENT DOCUMENTS

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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		*EP 0 178 650 A2	04-23-1986	Ducheyne		
		*EP 0 423 420 A2	04-24-1991	Timesh, Inc.		
		*EP 0 433 852 A1	06-26-1991	Oswald Leibinger GMBH		Abstr
		*EP 0 544 384 A2	06-02-1993	Timesh, Inc.		
		*EP 0 566 255 A1	10-20-1993	Timesh, Inc.		
		*EP 0 654 250 A1	05-24-1995	Leibinger GMBH		
		*EP 0 910 993 A2	04-28-1999	Howmedica Leibinger GMBH		
		*WO 02/092882 A1	11-21-2002	Tecomet, Inc.		
		*WO 03/084410 A1	10-16-2003	Board of Regents, The Univ. of Texas System		
		WO 2004/093743 A1	11-04-2004	Swords		
		*GB 2 059 267 A	04-23-1981	Leuven Research & Development		
		*JP 02237559 A	09-20-1990	Kobe Steel Ltd.		Abstr
		*JP 9-173364	07-08-1997	Timesh, Inc.		Yes
		*JP 11155879 A	06-15-1999	Howmedica Leibinger GMBH		Abstr
		DE 2 404 214	01-29-1974	Comptoir Lyon- Alemandlou		Abstr

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Helfen, <i>et al.</i> , 'Zementfreie Pfanne und zementierter Schaft-Konzept einer „Hybrid-Lösung“ sowie Ergebnisse einer drei- bis sechsjährigen klinischen Erfahrung,' <i>Z. Ortho.</i> , 131:578-584 (1993)	Abstr
		*PARK, HUN K., Biomechanical properties of high-density polyethylene for pterional prosthesis, http://findarticles.com , Neurological Research, Oct. 2002	
		*JANECKA, IP (2000): New reconstructive technologies in skull base surgery – Role of titanium mesh and porous polyethylene, <i>Archives of Otolaryngology-head & Neck Surgery</i> , 126 (3): 396-401 Mar 2000	
		*OKA M., USHIO K., KUMAR P., ET AL. (2000): Artificial Articular Cartilage, <i>Proc Inst Mech Eng [H]</i> , 214(1):59-68, 2000	
		*MURAKAMI, N. SAITO N., HORIUCHI H., ET AL. (2002): Repair of segmental defects in rabbit humeri with titanium fiber mesh cylinders containing recombinant human bone morphogenetic protein-2 (rhBMP-2) and a synthetic polymer, <i>J Biomed Mat Res</i> , 62(2):169-174, Nov 2002	
		*MURAKAMI N., SAITO N, TAKAHASHI J., OTA H., ET AL. (2003): Repair of a proximal femoral bone defect in dogs using a porous surfaced prosthesis in combination with recombinant BMP-2 and a synthetic polymer carrier	
		LIU, JAMES K., M.D., ET AL., Porous Polyethylene Implant for Cranioplasty and Skull Base Reconstruction, <i>Medscape</i> , April 12, 2004	
		The Ahmed Glaucoma Valve, Ahmed website, 2004	
		MEDPOR Biomaterials brochure, 05 pages, Porex Surgical, Inc. (2004)	
		Wong, 'Rigid mesh fixation for alloplastic cranioplasty,' <i>J. Craniofac. Surg.</i> , 5(4):265-9 (1994) Abstract	
		Guarda-Nardini, 'Use of porous polyethylene (Medpor) in maxillofacial surgery, <i>Minerva Stomatol.</i> , 44(12):559-82 (1995) Abstract	
		Roberson, <i>et al.</i> , 'Traumatic cranial defects reconstructed with the HTR-PMI cranioplastic implant,' <i>J. Craniomaxillofac. Trauma</i> , 3(2):8-13 (1997) Abstract	
		Lara, <i>et al.</i> , 'Technical considerations in the use of polymethylmethacrylate in cranioplasty,' <i>J. Long Term Eff. Med. Implants</i> , 8(1):43-53 (1998) Abstract	

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		Jones, <i>et al.</i> , 'Combined use of titanium mesh and biocompatible osteoconductive polymer in the treatment of full thickness calvarial defects,' <i>Br. J. Oral Maxillofac. Surg.</i> , 36(2):143-5 (1998) Abstract	
		Temerkhanov, <i>et al.</i> , 'The use of titanium mesh plates for graft fixation in mandibular osteoplasty,' <i>Stomatologiya (Mosk)</i> , 77(6):31-3 (1998) Abstract	
		Moe, <i>et al.</i> , 'Resorbable fixation in facial plastic and head and neck reconstructive surgery: an initial report on polyactic acid implants,' <i>Laryngoscope</i> , 111(10):1697-701 (2001) Abstract	
		Mouatt, 'Acrylic cranioplasty and axial pattern flap following calvarial and cerebral mass excision in a dog,' <i>Aust. Vet. J.</i> , 80(4):211-5 (2002) Abstract	

Examiner Signature		Date Considered	
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